

ABSTRACT OF THE DISCLOSURE

A gas valve for controlling the flow of gas to a burner. An actuator controls the flow of gas through the valve. A stepper motor operates the actuator. A first temperature sensor senses temperature of gas entering the valve. A second temperature sensor senses temperature of gas leaving the valve. A controller controls the stepper motor in response to the sensed temperatures. This gas valve provides universal single-stage, multi-stage and modulating gas flow control for appliances and furnaces.